ELSEVIER

Biochimica et Biophysica Acta 1441 (1999) 290–291

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

www.elsevier.com/locate/bba

Molecular and Cell Biology of Lipids
Cumulative Contents

Rapid report

Gangliosides are the binding substances in neural cells for tetanus and botulinum toxins in mice
M. Kitamura, K. Takamiya, S. Aizawa, K. Furukawa and K. Furukawa (Japan) 1

Review

Membrane proteins implicated in long-chain fatty acid uptake by mammalian cells: CD36, FATP and FABPm
N. Abumrad, C. Coburn and A. Ibrahimi (USA) 4

Regular papers

Biliary phospholipid secretion is not required for intestinal absorption and plasma status of linoleic acid in mice
D.M. Minich, P.J. Voshol, R. Havinga, F. Stellaard, F. Kuipers, R.J. Vonk and H.J. Verkade (The Netherlands) 14

Interaction of pulmonary surfactant protein A with phospholipid liposomes: a kinetic study on head group and fatty acid specificity
A. Meyboom, D. Maretzki, P.A. Stevens and K.P. Hofmann (Germany) 23

Inactivation of microsomal triglyceride transfer protein impairs the normal redistribution but not the turnover of newly synthesized glycerolipid in the cytosol, endoplasmic reticulum and Golgi of primary rat hepatocytes
A.-M. Hebbachi and G.F. Gibbons (UK) 36

cDNA cloning and bacterial expression of phospholipase A_2 inhibitor PLIα from the serum of the Chinese mamushi, *Agkistrodon blomhoffii siniticus*
K. Okumura, S. Inoue, K. Ikeda and K. Hayashi (Japan) 51

Partial hepatectomy and/or surgical stress provoke changes in the expression of lipoprotein lipase and actin in liver and extrahepatic tissues
E. Palmero, D. Ricart, M. Llobera and J. Peinado-Onsurbe (Spain) 61

Induction of prostaglandin I_2 receptor by tumor necrosis factor α in osteoblastic MC3T3-E1 cells
J. Wang, K. Yamamoto, Y. Sugimoto, A. Ichikawa and S. Yamamoto (Japan) 69

Anandamide amidohydrolase of porcine brain: cDNA cloning, functional expression and site-directed mutagenesis
S.K. Goparaju, Y. Kurahashi, H. Suzuki, N. Ueda and S. Yamamoto (Japan) 77

Molecular cloning and characterization of the cDNA encoding the rat liver gamma-butyrobetaine hydroxylase
S. Galland, F. Le Borgne, F. Bouchard, B. Georges, P. Clouet, F. Grand-Jean and J. Demarquoy (France) 85

Special Issue: Lipids in the Center
Guest Editors: Henk van den Bosch and Dennis Vance

Preface
(H. van den Bosch and D. Vance) 93

Reviews

Muscle fatty acid-binding protein
G. Zanotti (Italy) 94

Structural properties of the adipocyte lipid binding protein
A. Reese-Wagoner, J. Thompson and L. Banaszak (USA) 106

Liver fatty acid binding protein: species variation and the accommodation of different ligands
J. Thompson, A. Reese-Wagoner and L. Banaszak (USA) 117

Fatty acid binding to human serum albumin: new insights from crystallographic studies
S. Curry, P. Brick and N.P. Franks (UK) 131

Fatty acid metabolism, conformational change, and electron transfer in cytochrome $P\text{-}450_{BM-3}$
H. Li and T.L. Poulos (USA) 141

ELSEVIER

Biochimica et Biophysica Acta 1441 (1999) 290–291

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

www.elsevier.com/locate/bba

Molecular and Cell Biology of Lipids
Cumulative Contents

Rapid report

Gangliosides are the binding substances in neural cells for tetanus and botulinum toxins in mice
M. Kitamura, K. Takamiya, S. Aizawa, K. Furukawa and K. Furukawa (Japan) 1

Review

Membrane proteins implicated in long-chain fatty acid uptake by mammalian cells: CD36, FATP and FABPm
N. Abumrad, C. Coburn and A. Ibrahimi (USA) 4

Regular papers

Biliary phospholipid secretion is not required for intestinal absorption and plasma status of linoleic acid in mice
D.M. Minich, P.J. Voshol, R. Havinga, F. Stellaard, F. Kuipers, R.J. Vonk and H.J. Verkade (The Netherlands) 14

Interaction of pulmonary surfactant protein A with phospholipid liposomes: a kinetic study on head group and fatty acid specificity
A. Meyboom, D. Maretzki, P.A. Stevens and K.P. Hofmann (Germany) 23

Inactivation of microsomal triglyceride transfer protein impairs the normal redistribution but not the turnover of newly synthesized glycerolipid in the cytosol, endoplasmic reticulum and Golgi of primary rat hepatocytes
A.-M. Hebbachi and G.F. Gibbons (UK) 36

cDNA cloning and bacterial expression of phospholipase A_2 inhibitor PLIα from the serum of the Chinese mamushi, *Agkistrodon blomhoffii siniticus*
K. Okumura, S. Inoue, K. Ikeda and K. Hayashi (Japan) 51

Partial hepatectomy and/or surgical stress provoke changes in the expression of lipoprotein lipase and actin in liver and extrahepatic tissues
E. Palmero, D. Ricart, M. Llobera and J. Peinado-Onsurbe (Spain) 61

Induction of prostaglandin I_2 receptor by tumor necrosis factor α in osteoblastic MC3T3-E1 cells
J. Wang, K. Yamamoto, Y. Sugimoto, A. Ichikawa and S. Yamamoto (Japan) 69

Anandamide amidohydrolase of porcine brain: cDNA cloning, functional expression and site-directed mutagenesis
S.K. Goparaju, Y. Kurahashi, H. Suzuki, N. Ueda and S. Yamamoto (Japan) 77

Molecular cloning and characterization of the cDNA encoding the rat liver gamma-butyrobetaine hydroxylase
S. Galland, F. Le Borgne, F. Bouchard, B. Georges, P. Clouet, F. Grand-Jean and J. Demarquoy (France) 85

Special Issue: Lipids in the Center
Guest Editors: Henk van den Bosch and Dennis Vance

Preface
(H. van den Bosch and D. Vance) 93

Reviews

Muscle fatty acid-binding protein
G. Zanotti (Italy) 94

Structural properties of the adipocyte lipid binding protein
A. Reese-Wagoner, J. Thompson and L. Banaszak (USA) 106

Liver fatty acid binding protein: species variation and the accommodation of different ligands
J. Thompson, A. Reese-Wagoner and L. Banaszak (USA) 117

Fatty acid binding to human serum albumin: new insights from crystallographic studies
S. Curry, P. Brick and N.P. Franks (UK) 131

Fatty acid metabolism, conformational change, and electron transfer in cytochrome $P\text{-}450_{BM-3}$
H. Li and T.L. Poulos (USA) 141

Acyl-coenzyme A binding protein (ACBP)
B.B. Kragelund, J. Knudsen and F.M. Poulsen (Denmark) 150
The structure of myristoyl-CoA:protein *N*-myristoyltransferase
R.S. Bhatnagar, K. Fütterer, G. Waksman and J.I. Gordon (USA) 162
Colipase: structure and interaction with pancreatic lipase
H. van Tilbeurgh, S. Bezzine, C. Cambillau, R. Verger and F. Carrière (France) 173
Structure-activity of cutinase, a small lipolytic enzyme
S. Longhi and C. Cambillau (France) 185
Gastric lipase: crystal structure and activity
S. Canaan, A. Roussel, R. Verger and C. Cambillau (France) 197
Structure and conformational flexibility of *Candida rugosa* lipase
M. Cygler and J.D. Schrag (Canada) 205
Pancreatic phospholipase A_2: new views on old issues
C. Yuan and M.-D. Tsai (USA) 215
Structure-based design of a new class of anti-inflammatory drugs: secretory phospholipase A_2 inhibitors, SPI
E.D. Mihelich and R.W. Schevitz (USA) 223
PAF-acetylhydrolases
Z.S. Derewenda and Y.S. Ho (USA) 229
Bacterial phosphatidylinositol-specific phospholipase C: structure, function, and interaction with lipids
O.H. Griffith and M. Ryan (USA) 237
Mammalian phosphoinositide-specific phospholipase C
R.L. Williams (UK) 255
PI transfer protein: the specific recognition of phospholipids and its functions
B. Sha and M. Luo (USA) 268
The cyclooxygenase isoforms: structural insights into the conversion of arachidonic acid to prostaglandins
R.M. Garavito and D.L. DeWitt (USA) 278

Author Index 288

Cumulative Contents 290

Information for Contributors 292